CLASSIFICATION SECRET

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO. 25X1

COUNTRY East Germany

DATE DISTR. 21 March 1955

SUBJECT Special Resistors Developed at VEB Werk fuer Bauelemente der Nachrichtentechnik (WBN), Teltow

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW) 25X1

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

25X1

THIS IS UNEVALUATED INFORMATION

1. The VEB Werk fuer Bauelemente der Nachrichtentechnik (WBN) "Carl von Ossietzky" (Dralowid) in Teltow has developed a number of special precision resistors which are not yet in production. They are expected to be in production in 1955. 25X1

2. Among these resistors are:

a. Praezisions-Schichtwiderstand (precision layer resistance)

These resistors consist of a high-quality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. The strength of this layer varies from 10 power minus 3 (10^{-3}) to 10 power minus 5 (10^{-5}) millimeters according to the resistance value desired. The layer is protected against exterior influences by a special lacquer. These resistors were developed for the range of 0.25 to 2 watt with an ohmic range from 1 ohm to 10 Mega-ohm. These resistors are to be used for measurement devices with high requirements of accuracy.

b. Hochohm-Schichtwiderstand (high-resistance layer resistance)

Watt range: 0.25 to 2 watt.
These resistors were developed for 4, 6, 8, and 10 Mega-ohm. The tolerances are plus or minus 1% and plus or minus 2%.

c. UKW-Schichtwiderstand (ultra short [illegible] layer resistance)

These resistors also consist of a high-quality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. They are for use in ultrashortwave technology.

d. HOCHLAST-Schichtwiderstand (heavy duty layer resistance)

These resistors are porcelain-anthracite resistors for charges up to 100 kilowatt, [illegible]

EVALUATION OF SOURCE [illegible]

25X1

ARMY [illegible]

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c. UKW-Schichtwiderstand (ultra short wave layer resistance)

These resistors also consist of a high-quality porcelain body upon which a crystalline anthracite layer is precipitated and annealed. They are for use in ultrashortwave technology.

d. Hochlast-Schichtwiderstand (heavy duty layer resistance)

These resistors are porcelain-anthracite resistors for charges up to 100 kilowatt, for use in transmitter technology as terminal resistors for antennae. These resistors were developed for air and water cooling.

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Next 1 Page(s) In Document Denied